

## EAST Search History

10/6/07, 708  
11/29/07  
RRP

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	("20060071881").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/28 13:00
S2	1	("5701134").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/26 18:03
S3	10412	(345/690-693,208-210,74.1-79,89, 94-100).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/28 16:20
S4	230	S3 AND (((ramp\$3 steps stepped stepped) near2 (voltage waveform drive signal)) same (row scan gate))	US-PGPUB; USPAT	OR	OFF	2007/11/27 12:58
S5	10424	(345/690-693,208-210,74.1-79,89, 94-100).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/27 12:58
S6	70	S5 AND (((ramp\$3 steps stepped stepped) near2 (voltage waveform drive signal)) same (PWM pulse adj width pulsewidth))	US-PGPUB; USPAT	OR	OFF	2007/11/28 16:33
S7	10424	(345/690-693,208-210,74.1-79,89, 94-100).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/27 17:58
S8	82	S7 AND (((ramp\$3 steps stepped stepped) near2 (voltage waveform drive signal)) same modulat\$)	US-PGPUB; USPAT	OR	OFF	2007/11/27 17:05
S9	70	S7 AND (((ramp\$3 steps stepped stepped) near2 (voltage waveform drive signal)) same (PWM pulse adj width pulsewidth))	US-PGPUB; USPAT	OR	OFF	2007/11/27 17:22
S10	48	S8 NOT S9	US-PGPUB; USPAT	OR	OFF	2007/11/27 17:05
S11	8	S7 AND (((ramp\$3 steps stepped stepped) near2 (wave)) same (PWM pulse adj width pulsewidth))	US-PGPUB; USPAT	OR	OFF	2007/11/27 17:23
S12	11	((("7212178") or ("20060238455") or ("20070252786") or ("20020140636") or ("6710772") or ("6985126") or ("20040145543") or ("20060061603") or ("20060028494") or ("20060152452") or ("20070222800") or ("20070252786")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/28 09:38
S13	270	(345/75.2).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/28 16:20

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S14	1	("6636190").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/28 16:18
S15	12771	(345/690-693,204,208-210,74.1-79,89,94-100).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/28 16:21
S16	2106	(313/346R).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/28 16:21
S17	14032	S15 S16	US-PGPUB; USPAT	OR	ON	2007/11/28 16:22
S18	3090	(345/204).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/28 16:22
S19	78	S17 AND (((grid gate) near2 voltage near2 increas\$3) OR (ramp\$3 near (voltage signal wave drive))) same (modul\$ PWM pulse adj width))	US-PGPUB; USPAT	OR	ON	2007/11/28 16:31
S20	10424	(345/690-693,208-210,74.1-79,89,94-100).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/28 16:33
S21	70	S20 AND (((ramp\$3 steps stepped steped) near2 (voltage waveform drive signal)) same (PWM pulse adj width pulsewidth))	US-PGPUB; USPAT	OR	OFF	2007/11/28 17:00
S22	46	S19 NOT S21	US-PGPUB; USPAT	OR	OFF	2007/11/28 16:33
S23	3	((grid adj voltage) near (ramp\$ control)) same (PWM pulse adj width adj modulat\$3 pulse-width-modulat\$3)	US-PGPUB; USPAT	OR	OFF	2007/11/28 17:04
S24	11	((grid near2 voltage) near2 (ramp\$ control)) same (PWM pulse adj width adj modulat\$3 pulse-width-modulat\$3)	US-PGPUB; USPAT	OR	OFF	2007/11/28 17:08
S25	1	("6559602").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/28 17:12
S26	1	("6624590").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/28 17:14
S27	224	S17 AND (amplitude adj modulat\$4 AM) AND (PWM pulse adj width adj modulat\$4 pulse-width-modulat\$4)	US-PGPUB; USPAT	OR	ON	2007/11/28 17:16
S28	153	S17 AND (amplitude adj modulat\$4 AM) same (PWM pulse adj width adj modulat\$4 pulse-width-modulat\$4)	US-PGPUB; USPAT	OR	ON	2007/11/28 17:16

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S29	52	S17 AND (amplitude adj modulat\$4 AM) same (PWM pulse adj width adj modulat\$4 pulse-width-modulat\$4) NOT (LCD liquid adj crystal)	US-PGPUB; USPAT	OR	ON	2007/11/28 17:17
S30	12792	(345/690-693,204,208-210,74.1-79, 89,94-100).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/29 14:21
S31	2106	(313/346R).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/29 14:21
S32	14053	S30 S31	US-PGPUB; USPAT	OR	ON	2007/11/29 14:21
S33	1	S32 AND (row adj dither\$)	US-PGPUB; USPAT	OR	ON	2007/11/29 14:22
S34	227	S32 AND ((ramp slope) with ((positive with2 negative) (up with2 down)))	US-PGPUB; USPAT	OR	ON	2007/11/29 14:58
S35	75	S32 AND (((ramp slope) with ((positive with2 negative) (up with2 down))) same (row gate))	US-PGPUB; USPAT	OR	ON	2007/11/29 15:01
S36	21	S32 AND (((ramp slope) with ((positive with negative) (up with down))) same (row gate))	US-PGPUB; USPAT	OR	ON	2007/11/29 15:44
S37	14	S32 AND (((PWM pulse) near2 ((rise fall) adj time)) same (row gate line) same (column data))	US-PGPUB; USPAT	OR	ON	2007/11/29 15:55
S38	257	S32 AND (pre-charge pre adj charge)	US-PGPUB; USPAT	OR	ON	2007/11/29 15:55
S39	188	S32 AND ((pre-charge pre adj charge) same (column data))	US-PGPUB; USPAT	OR	ON	2007/11/29 15:57
S40	0	S32 AND ((pre-charge pre adj charge) same (increase adj switching adj speed decrease adj switching adj time))	US-PGPUB; USPAT	OR	ON	2007/11/29 15:58
S41	1	S32 AND ((pre-charge pre adj charge) and (increase adj switching adj speed decrease adj switching adj time))	US-PGPUB; USPAT	OR	ON	2007/11/29 18:32
S42	2	("5701134" or ("5689278")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/29 18:42
S43	4	("5654735" or ("6946800") or ("6097356") or ("6844874")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/29 18:43